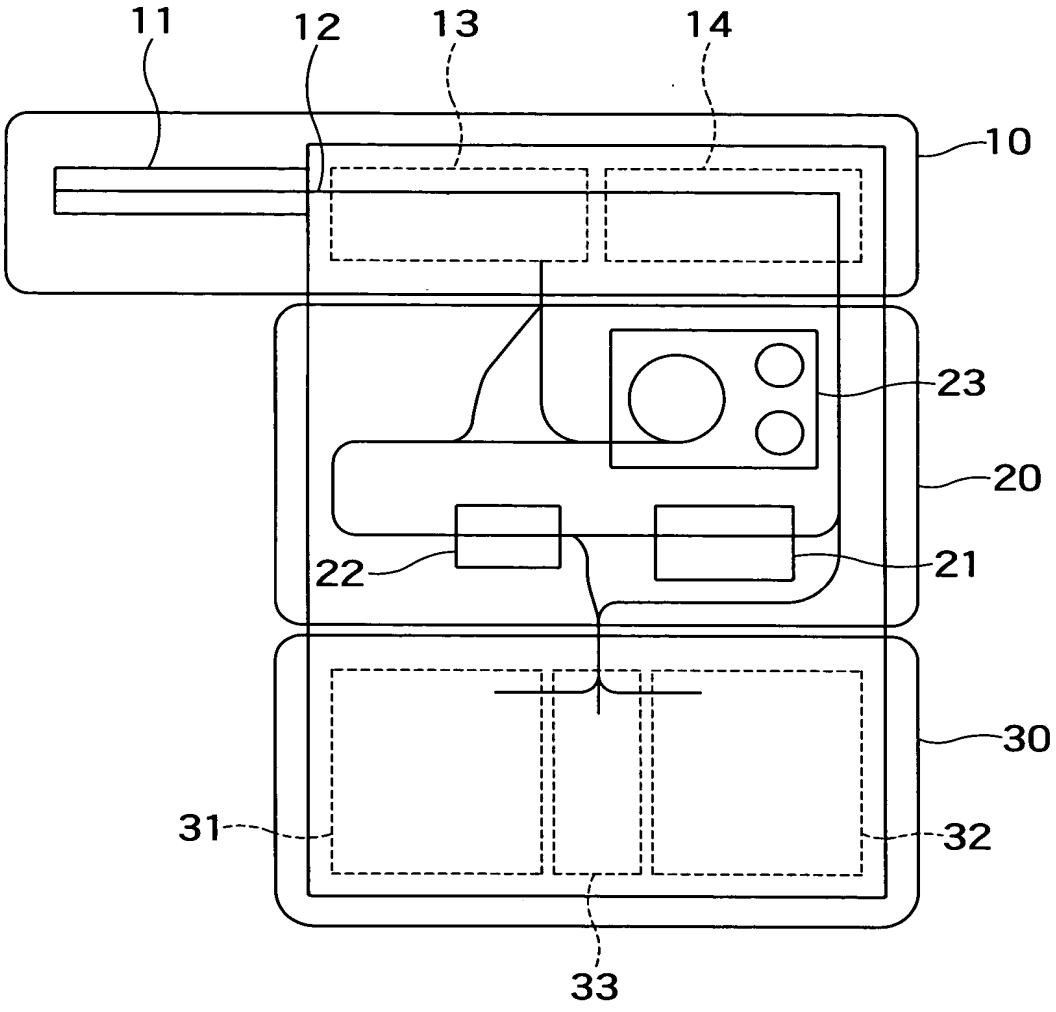

FIG. 1

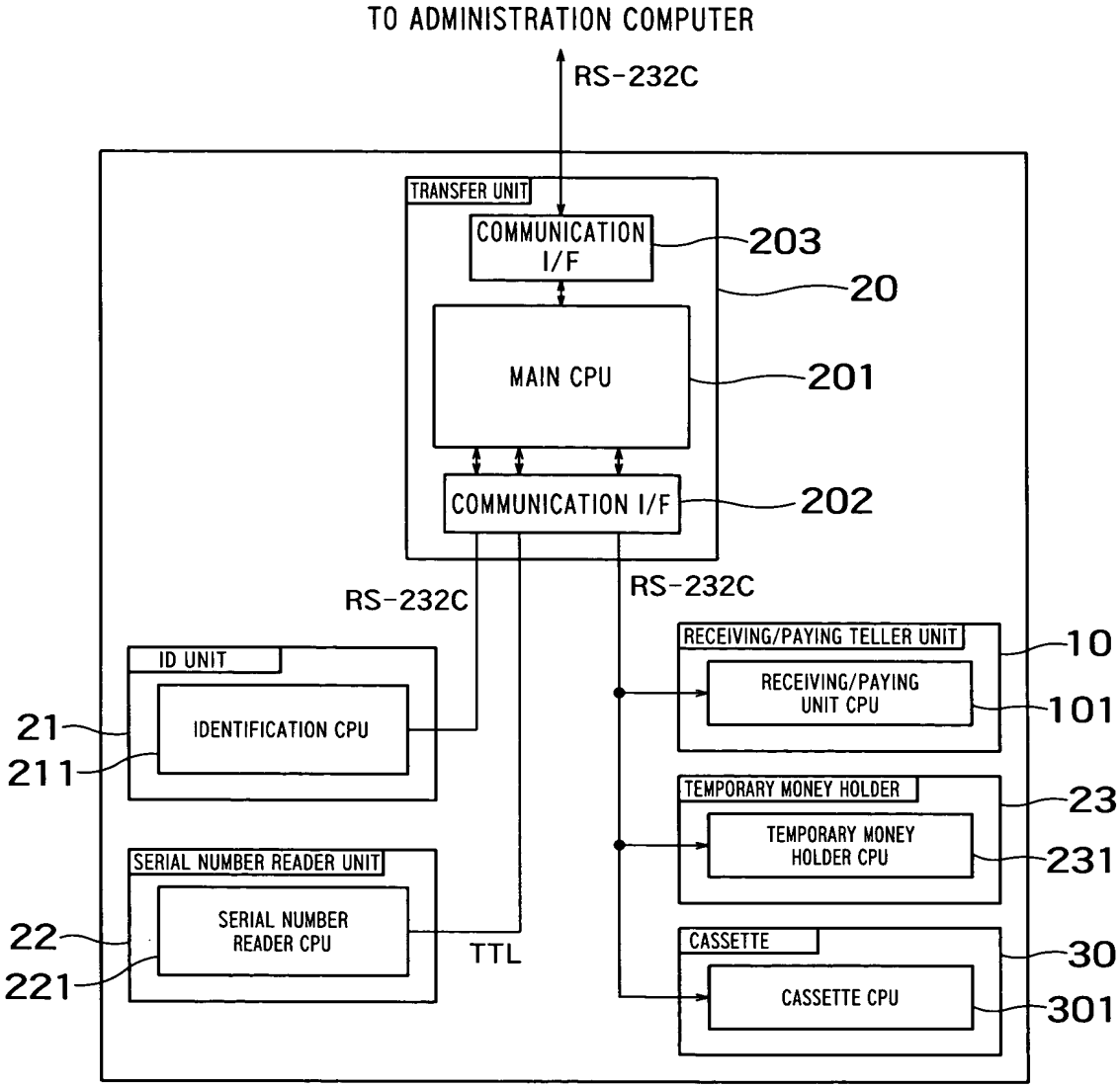
TO ADMINISTRATION COMPUTER
RS-232C
TRANSFER UNIT
COMMUNICATION I/F
203
20
MAIN CPU
201
COMMUNICATION I/F
202
RS-232C
RS-232C
ID UNIT
IDENTIFICATION CPU
21
211
SERIAL NUMBER READER UNIT
SERIAL NUMBER READER CPU
22
221
TTL
RECEIVING/PAYING TELLER UNIT
RECEIVING/PAYING UNIT CPU
10
101
TEMPORARY MONEY HOLDER
TEMPORARY MONEY HOLDER CPU
23
231
CASSETTE
CASSETTE CPU
30
301

FIG. 2

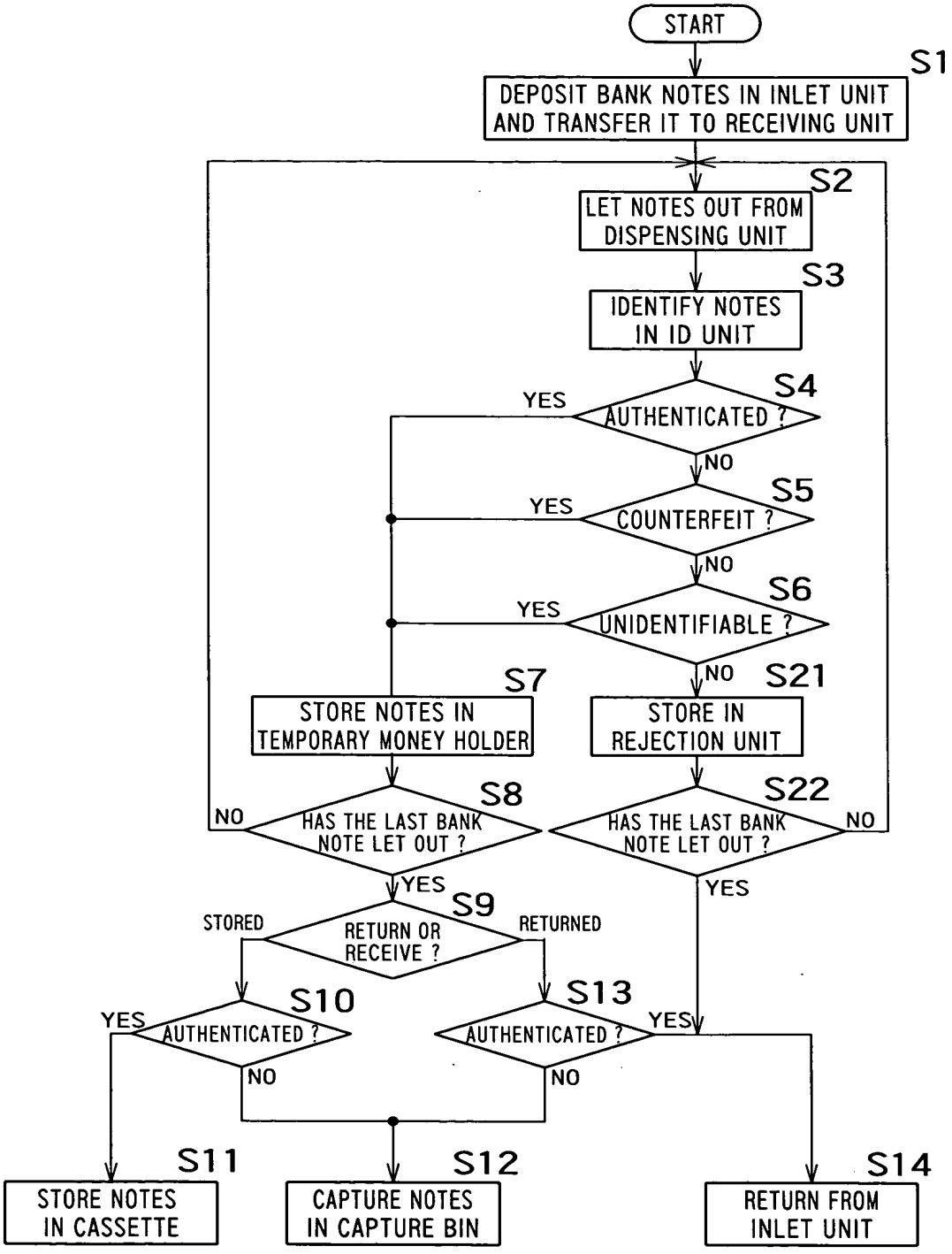
START
S1
DEPOSIT BANK NOTES IN INLET UNIT AND TRANSFER IT TO RECEIVING UNIT
S2
LET NOTES OUT FROM DISPENSING UNIT
S3
IDENTIFY NOTES IN ID UNIT
S4
AUTHENTICATED ?
YES
NO
S5
COUNTERFEIT ?
YES
NO
S6
UNIDENTIFIABLE ?
YES
NO
S7
STORE NOTES IN TEMPORARY MONEY HOLDER
S21
STORE IN REJECTION UNIT
S8
HAS THE LAST BANK NOTE LET OUT ?
NO
YES
S22
HAS THE LAST BANK NOTE LET OUT ?
NO
YES
S9
RETURN OR RECEIVE ?
STORED
RETURNED
S10
AUTHENTICATED ?
YES
NO
S13
AUTHENTICATED ?
YES
NO
S11
STORE NOTES IN CASSETTE
S12
CAPTURE NOTES IN CAPTURE BIN
S14
RETURN FROM INLET UNIT

FIG. 3

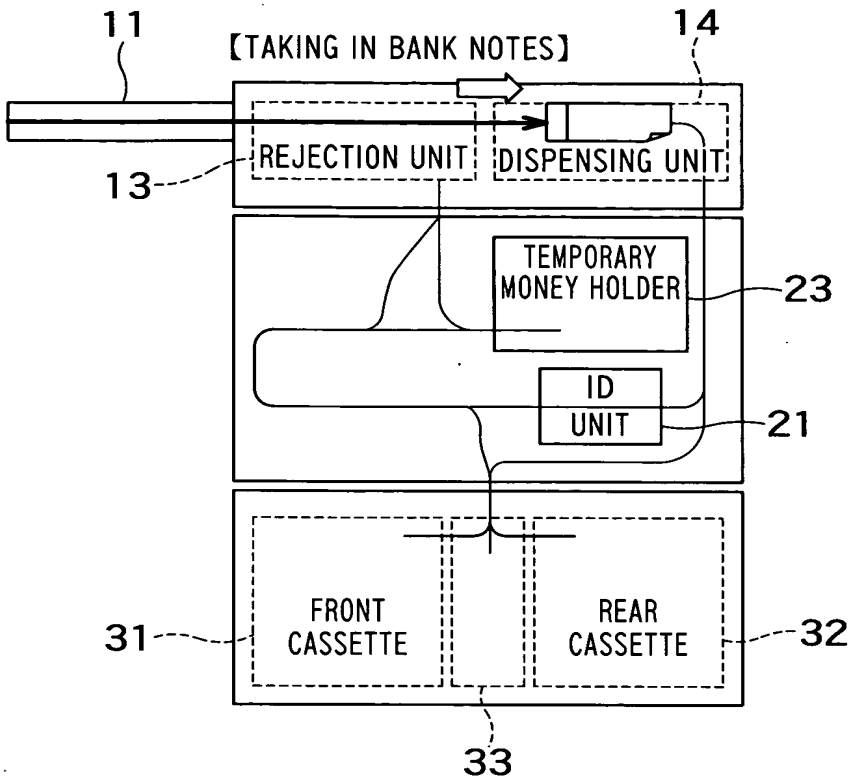
11
【TAKING IN BANK NOTES】
14
REJECTION UNIT
DISPENSING UNIT
13
TEMPORARY MONEY HOLDER
23
ID UNIT
21
FRONT CASSETTE
REAR CASSETTE
31
32
33

FIG. 4

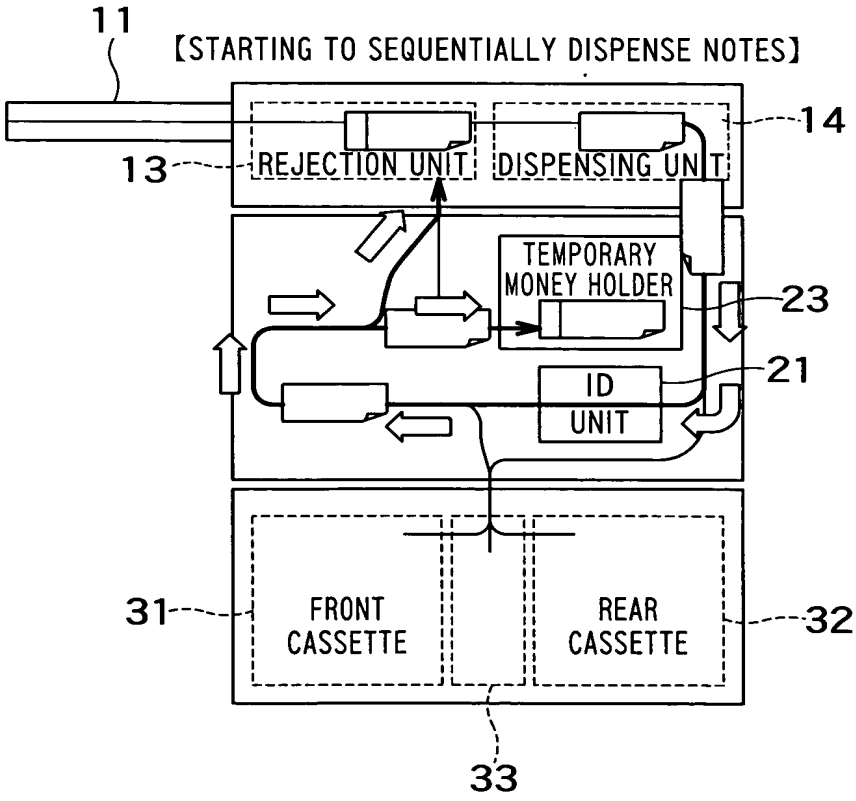
11
【STARTING TO SEQUENTIALLY DISPENSE NOTES】
14
REJECTION UNIT
DISPENSING UNIT
13
TEMPORARY MONEY HOLDER
23
21
ID UNIT
FRONT CASSETTE
REAR CASSETTE
31
32
33

FIG. 5

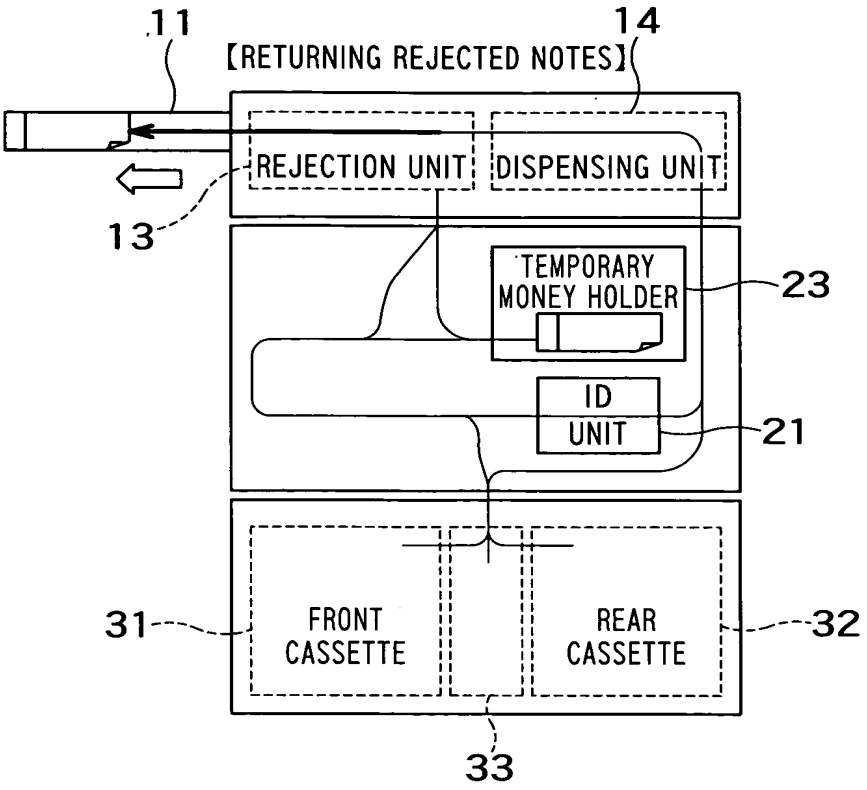
11
14
【RETURNING REJECTED NOTES】
REJECTION UNIT
DISPENSING UNIT
13
TEMPORARY MONEY HOLDER
23
ID UNIT
21
31
FRONT CASSETTE
REAR CASSETTE
32
33

FIG. 6

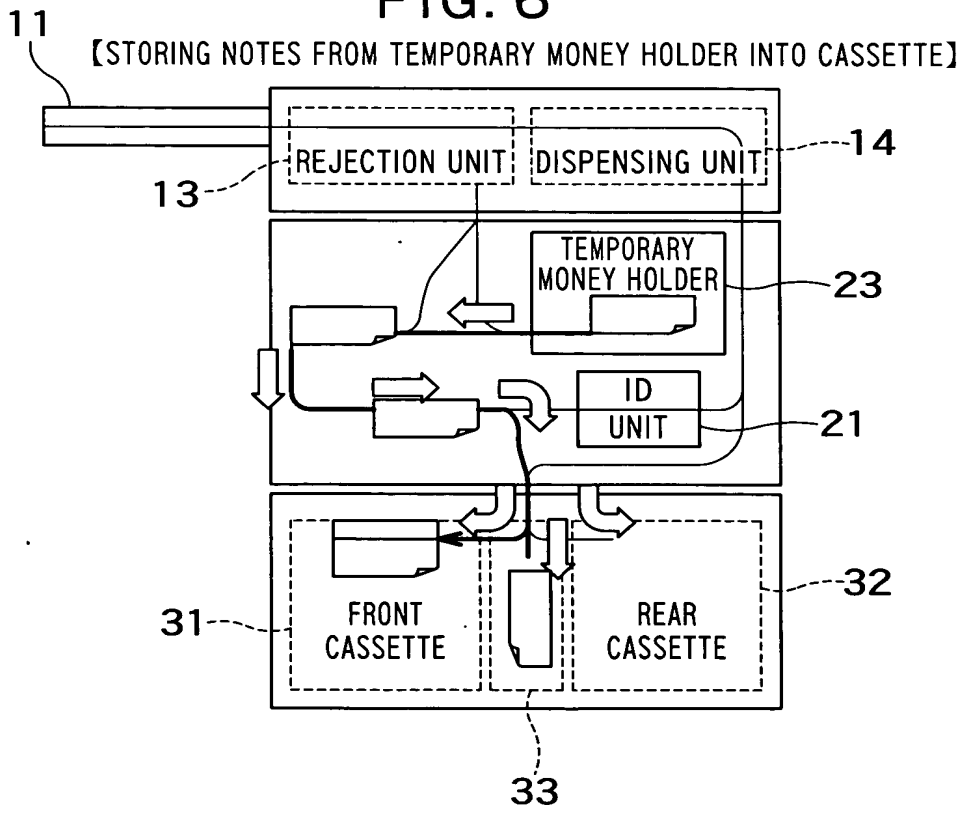
11
【STORING NOTES FROM TEMPORARY MONEY HOLDER INTO CASSETTE】
REJECTION UNIT
DISPENSING UNIT
14
13
TEMPORARY MONEY HOLDER
23
ID UNIT
21
31
FRONT CASSETTE
REAR CASSETTE
32
33

FIG. 7

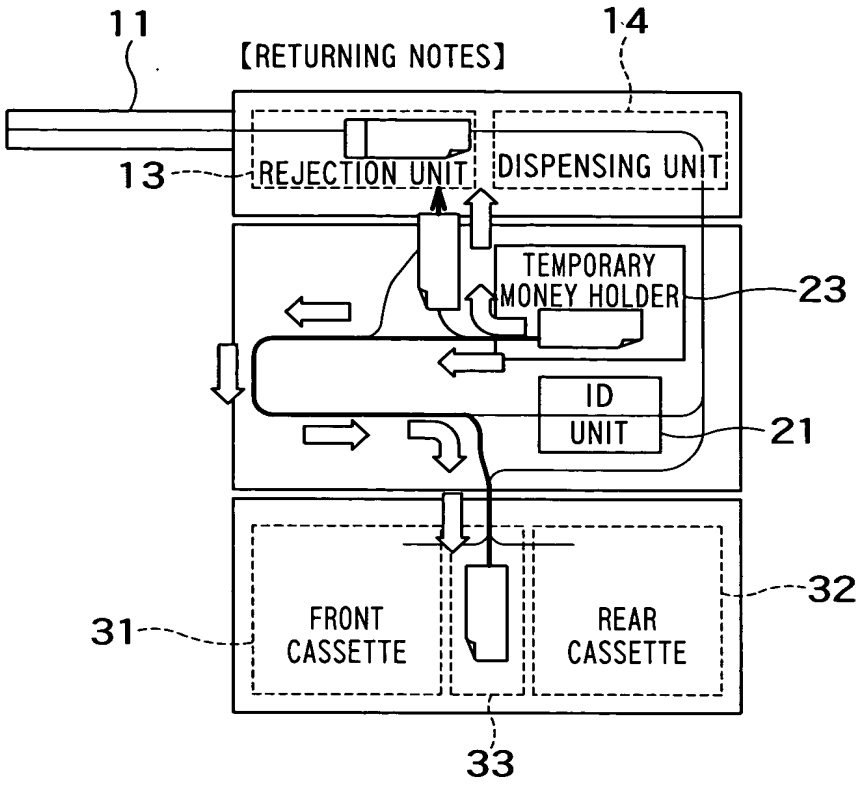
11
【RETURNING NOTES】
14
13
REJECTION UNIT
DISPENSING UNIT
TEMPORARY MONEY HOLDER
23
ID UNIT
21
31
FRONT CASSETTE
REAR CASSETTE
32
33

FIG. 8

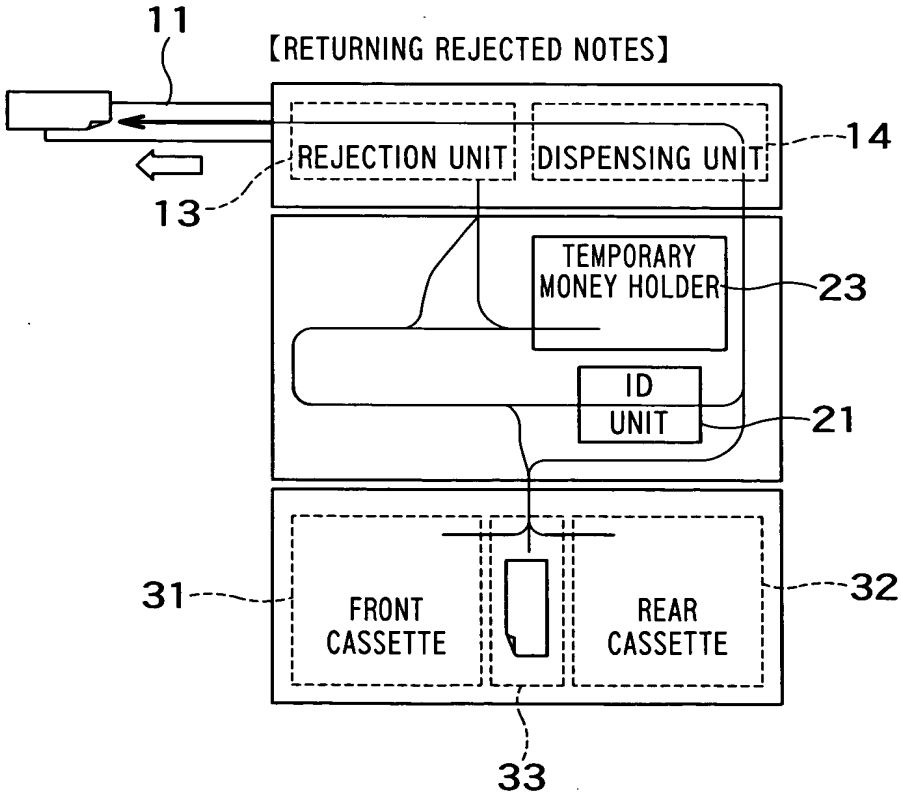
11
【RETURNING REJECTED NOTES】
13
REJECTION UNIT
DISPENSING UNIT
14
TEMPORARY MONEY HOLDER
23
ID UNIT
21
31
FRONT CASSETTE
REAR CASSETTE
32
33

FIG. 9

SINGLE TRANSACTION DATA

CONTENTS	DESCRIPTIONS
MACHINE NO.	
TRANSACTION NO.	
TRANSACTION START TIME	SEC/MIN/HOUR/MON/YEAR
TRANSACTION END TIME	SEC/MIN/HOUR/MON/YEAR
CUSTOMER INFORMATION	ACCOUNTING NUMBER, FINGER PRINT INFORMATION, ETC.
COUNT INFORMATION	SUBTOTAL AND AMOUNT OF BANK NOTES OF EACH DENOMINATION, TOTAL AND AMOUNT OF MIXED BANK NOTES, ETC
CURRENCY INFO	DATA OF THE PAPER CURRENCIES AS MANY AS HANDLED IN BATCH
CURRENCY INFO	DATA OF THE PAPER CURRENCIES AS MANY AS HANDLED IN NEXT BATCH
.....	.....
CURRENCY INFO	DATA OF THE PAPER CURRENCIES AS MANY AS HANDLED IN LAST BATCH

FIG. 10

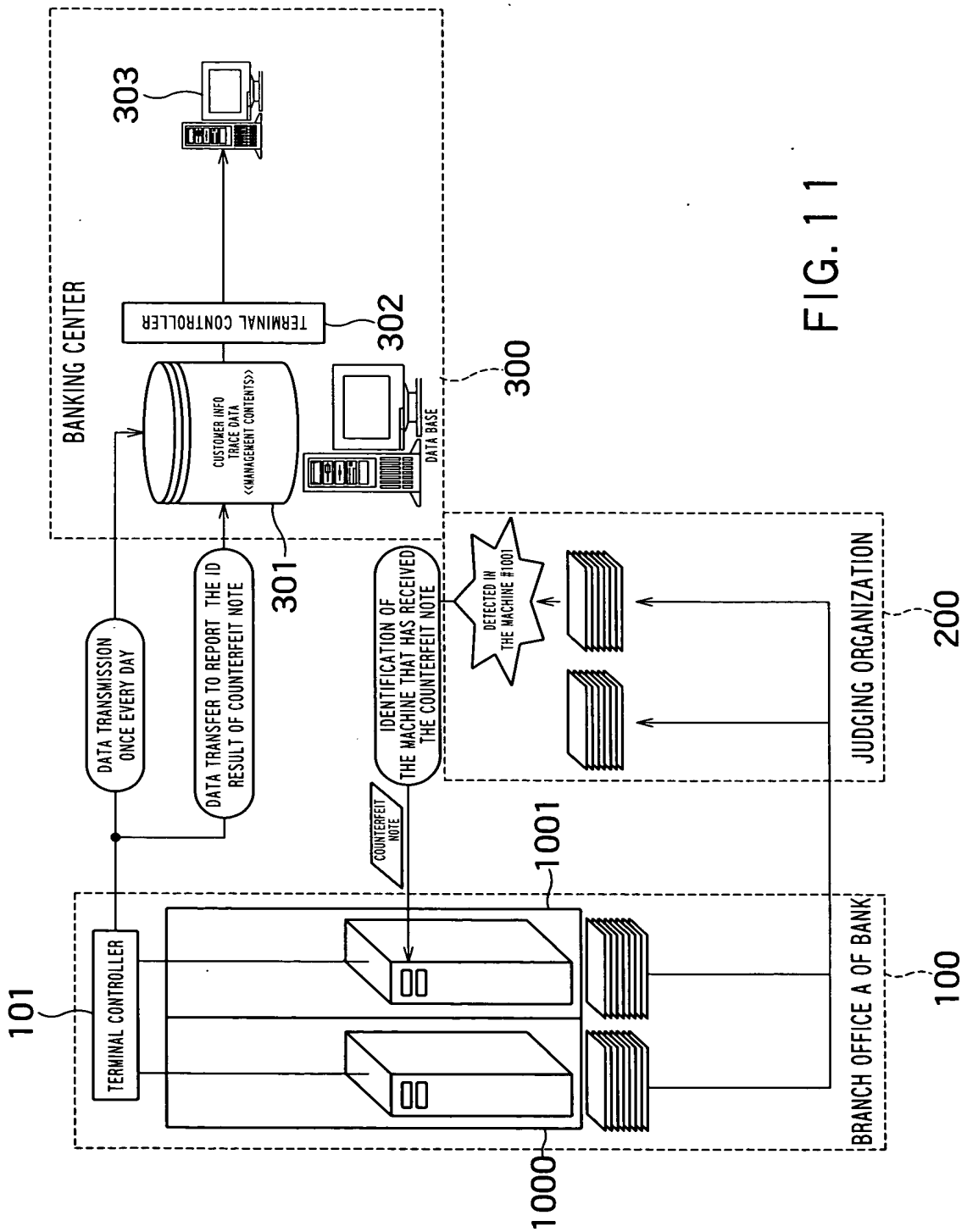
BANKING CENTER
303
TERMINAL CONTROLLER
302
CUSTOMER INFO
TRACE DATA
<<MANAGEMENT CONTENTS>>
DATA BASE
300
301
DATA TRANSMISSION
ONCE EVERY DAY
DATA TRANSFER TO REPORT THE ID
RESULT OF COUNTERFEIT NOTE
IDENTIFICATION OF
THE MACHINE THAT HAS RECEIVED
THE COUNTERFEIT NOTE
DETECTED IN
THE MACHINE #1001
JUDGING ORGANIZATION
200
COUNTERFEIT
NOTE
1001
101
TERMINAL CONTROLLER
BRANCH OFFICE A OF BANK
100
1000

FIG. 11

INFORMATION ON AN INDIVIDUAL BANK NOTE

CONTENTS	DESCRIPTIONS
ID# OF NOTE	IDENTIFICATION NUMBER OF THE NOTE
ID RESULT	CATEGORY CODE
	COUNTRY CODE
	DENOMINATION CODE
	ORIENTATION CODE
	SERIAL NUMBER
	CRITERIA OF DETERMINING THE DENOMINATION
DATA ON EACH SENSOR	CATEGORY OF RED FROM TRANSMISSION COLOR SENSOR 1
	CATEGORY OF INFRARED FROM TRANSMISSION COLOR SENSOR 1
	CATEGORY OF BLUE FROM TRANSMISSION COLOR SENSOR 2
	CATEGORY OF INFRARED FROM TRANSMISSION COLOR SENSOR 2
	CATEGORY FROM REFLECTION INFRARED SENSOR 1
	CATEGORY FROM REFLECTION INFRARED SENSOR 2
	CATEGORY FROM FLUORESCENCE SENSOR
	CATEGORY FROM MAGNETIC SENSOR
	CATEGORY FROM THREAD SENSOR
DETAILED DATA OF NOTE	PAPER CURRENCY IMAGE INFORMATION

FIG. 12